



**ReadyLink™** 12-LEAD ECG

You know time is of the essence when responding to a chest pain emergency. At that critical moment, what if you could do more for patients? Now you can.

## Introducing the first 12-lead for the BLS team.

Cutting time-to-treatment is crucial when managing chest pain emergencies. Delays in care can mean the difference between life and death. But with the new ReadyLink 12-Lead ECG from Physio-Control, responders—with basic or advanced training—can quickly and easily capture and transmit 12-lead data to hospitals through our LIFENET® System.

Handheld, portable and easy to use, the revolutionary ReadyLink 12-Lead ECG gives doctors an immediate view of what you're facing, so they can provide better chest pain decision support, direct you to the right facility and prepare hospital staff for the necessary care to help save your patient's life.

*Our products have helped save tens of thousands of lives. We're proud to continue this work with the new ReadyLink 12-Lead ECG.*

# With the right information in the right hands, everyone wins.

## **Better for you.**

The first device of its kind in the industry, the ReadyLink 12-Lead ECG is designed specifically for the needs of BLS teams when responding to a call about chest pain. In three simple steps, 12-lead data is captured and transmitted through the LIFENET System to regional hospitals, where doctors can interpret the information. With their help, you'll know exactly what kind of care the patient needs and where to take them.

## **Better for hospitals.**

The ReadyLink 12-Lead ECG can send data to multiple doctors and hospitals, helping clinicians better prepare for identified STEMI patients arriving from remote areas. With medical records and 12-lead information in hand, they can handle each individual cardiac emergency more efficiently and accommodate higher patient loads.

## **Better for patients.**

When 12-lead data can be captured at the scene, patients are more likely to be directed to the appropriate medical care within the critical first two hours of symptom onset, meaning more successful outcomes are possible.

## **Better for communities.**

Because the ReadyLink 12-Lead ECG is connected to the LIFENET System, communities can effectively extend the reach of chest pain management to residents living miles from the nearest hospital.

## **The LIFENET System advantage**

Only the ReadyLink 12-Lead ECG transmits its data through the LIFENET System, our comprehensive information management system for seamlessly connecting teams in the field with hospitals. As the broadest EMS and hospital data network in the industry, LIFENET enables information sharing across devices and organizations and provides unprecedented decision support for responders on the scene.



# A 12-lead ECG made for you.

Unlike complex advanced life support monitor/defibrillators with functionality designed for paramedics, the powerful ReadyLink 12-Lead ECG is a lightweight device that's easy to use—even in remote areas.

## **Backlit screen**

*Highly visible, even in inclement weather or darkness.*

## **Full keyboard**

*Tactile, push-button keyboard for easy patient data entry.*

## **Lightweight design**

*Similar in weight to a professional AED, ReadyLink 12-Lead ECG weighs just 4.5 lbs, including battery, cable, and carrying case.*

## **Powerful modem**

*An integrated broadband cellular modem makes transmission easy.*

## **Lithium-ion battery**

*Rechargeable Lithium-ion battery reliably powers you for eight continuous hours.*

## **12-Lead cable**

*Same professional-grade cable used on Physio-Control LIFEPAK 15 monitor/defibrillators.*

## **LIFENET System**

*One-button touch automatically sends 12-lead data to multiple locations.*



# Filling the time-to-treatment gap in three easy steps.

As simple as it is portable, the ReadyLink 12-Lead ECG only requires three steps to capture and transmit 12-lead data. You can even send information to multiple locations at once. It's that easy.



1

**Step 1: Prepare**

Prepare patient's skin and place electrodes.



2

**Step 2: Acquire**

Push 12-lead button to acquire 12-lead data.



3

**Step 3: Transmit**

Push XMT button and select hospital.

## Expert training included.

Led by Tim Phalen, industry leader and 12-lead ECG expert, the training DVD included with the ReadyLink 12-Lead ECG teaches how to capture 12-leads most effectively so that your team will know where to place electrodes and why. Physio-Control provides detailed instructions on how to operate the device in the field.





**ReadyLink**<sup>™</sup> 12-LEAD ECG

The introduction of the new ReadyLink 12-Lead ECG means teams like yours can help secure a better chance of successful outcomes for patients in your community.

Let us put that tool in your hands.

**Visit [www.physio-control.com](http://www.physio-control.com) or call 1.800.442.1142 today.**



## SPECIFICATIONS

### GENERAL

**Instrument Type:** 12-Lead electrocardiograph.

**Input Channels:** Simultaneous acquisition of all 12-Leads.

**Standard Leads Acquired:** I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6.

**Waveform Display:** Backlit, 1/4 VGA LCD (320 x 240) 3-lead groups, 8 or 12-Lead presentation

**Input Impedance:** Meets or exceeds the requirements of ANSI/AAMI EC11.

**Input Dynamic Range:** Meets or exceeds the requirements of ANSI/AAMI EC11.

**Electrode Offset Tolerance:** Meets or exceeds the requirements of ANSI/AAMI EC11.

**Common Mode Rejection:** Meets or exceeds the requirements of ANSI/AAMI EC11.

**Patient Leakage Current:** Meets or exceeds the requirements of ANSI/AAMI ES1.

**Chassis Leakage Current:** Meets or exceeds the requirements of ANSI/AAMI ES1.

**Digital Sampling Rate:** 10,000 s/sec/channel used for pacemaker spike detection; 1000 s/sec/channel used for recording and analysis.

**Gain Setting:** 5 or 10 mm/mV.

**Keyboard Type:** Elastomer keyboard with complete alphanumeric keys, soft-key menu, and dedicated function keys.

**Frequency Response:** 0.05 to 300 Hz.

**Filters:** High-performance baseline filter: AC interference filter 50/60 Hz: low-pass filters 40 Hz, 150 Hz, or 300 Hz.

**A/D Conversion:** 20 bits (1.17 microvolt LSB).

**Device Classification:** Class I, Type CF defibrillation-proof applied parts.

**ECG Storage:** Internal storage up to 60 ECGs.

**Power Requirements:** External AC/DC converter (100-240 VAC at 50/60 Hz) 15 VA; internally rechargeable battery.

### ENVIRONMENTAL

**Operating Temperature:**  $>0^{\circ}$  to  $+40^{\circ}$  C ( $>+32^{\circ}$  to  $+104^{\circ}$  F).

**Operating Humidity:** 10% to 95% RH (non-condensing).

**Storage Temperature:**  $-20^{\circ}$  to  $+60^{\circ}$  C ( $-4^{\circ}$  to  $+140^{\circ}$  F).

**Storage Humidity:** 5% to 95% RH (non-condensing).

**Atmospheric Pressure:** 500 hPa to 1060 hPa.

### PHYSICAL CHARACTERISTICS

**In protective carrying case:**

**Length:** 12 in, 30.5 cm.

**Height:** 5 in, 12.7 cm.

**Width:** 9.75 in, 24.8 cm.

**Weight:** 4.5 lbs, 2 kg (includes device, battery, cable, and carrying case).

# Physio-Control Family of Products

## Defibrillators/Monitors

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*LIFEPAK CR® Plus  
Automated External Defibrillator*



*LIFEPAK® 1000  
Defibrillator*



*LIFEPAK® 15  
Monitor/Defibrillator*

### **LIFEPAK CR® Plus Automated External Defibrillator**

Featuring the same advanced technology trusted by emergency medical professionals—yet simple to use—the LIFEPAK CR Plus AED is designed specifically for the first person to respond to a victim of sudden cardiac arrest. Unlike AEDs with complex prompts and limited energy for defibrillation, the fully automatic LIFEPAK CR Plus AED combines an easy two-step operation, just the right level of guidance, and the capability to escalate to 360 joules when needed.

### **LIFEPAK® 1000 Defibrillator**

The LIFEPAK 1000 Defibrillator is a powerful and compact device designed to treat cardiac arrest patients and provide continuous cardiac monitoring capabilities. Built-in flexibility allows the 1000 to be programmed for use by first responders or professionals and enables care providers to change protocols as standards of care evolve. A large, intuitive screen displays graphics and ECG readings that are clear and easy to read from any angle and in bright sunlight. The most rugged AED in the LIFEPAK fleet, you can carry the 1000 with confidence into the harshest environments.

### **LIFEPAK® 15 Monitor/Defibrillator**

The LIFEPAK 15 monitor/defibrillator is the new standard in emergency care for ALS teams who want the most clinically innovative, operationally innovative and LIFEPAK TOUGH™ device available today. The 15 integrates Masimo Rainbow® SET® technology that monitors SpO<sub>2</sub>, carbon monoxide and methemoglobin, includes a metronome to guide CPR compressions and ventilations and provides an option to escalate energy to 360 joules. An entirely new platform, the 15 is powered by Lithium-ion battery technology, incorporates the SunVue™ display screen for viewability in bright sunlight, and data connectivity to easily and securely collect and send patient information. The 15 has a similar form factor and user interface with the LIFEPAK 12 defibrillator/monitor which will ease transition and training costs.

## CPR Assistance



*LIFEPAK® 20e  
Defibrillator/Monitor*



*LUCAS® Chest  
Compression System*

### **LIFEPAK® 20e Defibrillator/Monitor**

Building on the design of its predecessor, the LIFEPAK 20e defibrillator/monitor is compact, lightweight and easy to rush to the scene or use during transport. The 20e is highly intuitive to use, putting early, effective defibrillation into the hands of first responders. The 20e skillfully combines AED function with manual capability so that ACLS-trained clinicians can quickly and easily deliver advanced therapeutic care. Clinically advanced and packed with power, the 20e uses Lithium-ion battery technology that provides extended operating time for transporting patients from one area of the hospital to another and includes ADAPTIV™ biphasic technology up to 360 joules.

### **LUCAS® Chest Compression System**

Designed to provide effective, consistent and uninterrupted compressions according to AHA Guidelines, LUCAS can be used on adult patients in out-of-hospital and hospital settings. Maintaining high-quality hands-free compressions frees responders to focus on other lifesaving therapies and enables them to wear seatbelts during transport. Available in both air-powered and the newer battery-powered version.

## Information Management



*LIFENET® System*

### **LIFENET® System**

The LIFENET System provides EMS and hospital care teams with reliable, quick access to clinical information helping to improve patient care flow and operational efficiency. The LIFENET System provides a reliable and secure web-based platform linking care teams with critical information for emergent patient data and post-event review. From providing an advanced alert of an incoming patient, to reviewing post-event data, to tracking assets, the LIFENET System is the most comprehensive system on the market today.

### **CODE-STAT™ 9.0 Data Review Software**

CODE-STAT 9.0 data review software is a retrospective analysis tool that provides easy access to data, reports and post-event review. CODE-STAT enables EMS and hospitals to measure, analyze and review the performance of individual rescue teams or medical units, target specific areas for improvement and train personnel to meet performance goals.

Contact your Physio-Control representative  
to schedule a demonstration and get connected  
to the nearest LIFENET System hospital.

Visit [www.physio-control.com](http://www.physio-control.com) or call 1.800.442.1142 today.

For further information, please contact Physio-Control at 800.442.1142 (U.S.), 800.895.5896 (Canada) or visit our website at [www.physio-control.com](http://www.physio-control.com).



**Physio-Control Headquarters**

11811 Willows Road NE  
Redmond, WA 98052  
[www.physio-control.com](http://www.physio-control.com)

*Customer Support*

P. O. Box 97006  
Redmond, WA 98073  
Toll Free 800 442 1142  
Fax 800 426 8049

**Physio-Control Canada**

Physio-Control Canada Sales, Ltd.  
Toll free 800 895 5896  
Fax 866 430 6115



Mortara Instrument, Inc., 7865 B, 86th St, Milwaukee, WI 53224